

HYOSUNG HEAVY INDUSTRIES		INDUCTION MOTOR DATA SHEET		PROJECT No. 6856	
				MODEL No. 24EFFEB	
				L-SPEC No. DSML20693H	
SHEET 1 OF 1		CUSTOMER			
FOR INFORMATION		JOB NO.		ITEM No.	
SERVICE		SITE		QUANTITY	
GENERAL DATA			PERFORMANCE DATA		
FRAME No.		180M		OUTPUT 15 kW	
TYPE		EF		POLES 6 P	
ENCLOSURE		TE		ROTOR TYPE SQUIRREL CAGE	
COOLING METHOD		FC(IC411)		STARTING METHOD DIRECT ON LINE	
INSULATION CLASS		F CLASS		PHASE 3 PHASE	
TEMP. RISE AT FULL LOAD			FREQUENCY 60 Hz		
RES. METHOD		80 K (at S.F:1.0)		SPEED (AT FULL LOAD) 1180 r/min	
RATING		S1		PRIMARY	
LOCATION		INDOOR		VOLTAGE 220/380 V	
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT 29.8/17.2 A	
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT 55.8/32.3 A	
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT 560 %	
EXPLOSION PROOF TYPE		Ex d IIB T4		EFFICIENCY	
MOUNTING		B3		AT 1/2 LOAD 88.7 %	
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD 90.7 %	
NDE/DE BRG. No.		6312ZZ / 6312ZZ		AT FULL LOAD 91.7 %	
BRG. LUBRICATION		N/A		POWER FACTOR	
PROTECTION GRADE		IP55		AT 1/2 LOAD 62.0 %	
SERVICE FACTOR		1.0		AT 3/4 LOAD 72.0 %	
DRIVE		DIRECT COUPLED		AT FULL LOAD 77.0 %	
SHAFT			TORQUE		
EXTENSION		SINGLE		FULL LOAD 12.38 kg-m	
EXTERNAL THRUST		N/A		121.4 N-m	
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR 160 %		
NO-LOAD		N/A		BREAKDOWN 210 %	
VIBRATION		N/A		MOTOR GD² 1.46 kg-m²	
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD² AT MOTOR SHAFT 80.5 kg-m²	
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT 250 kg	
ACCESSORIES (OPTIONAL)			PAINTING 0.5PB 3.2/4.4 (URETHANE)		
SUBMITTAL DRAWINGS					
TEMPERATURE DETECTOR			OUTLINE DIMENSION ES1AS30110		
WINDING			NO		
TYPE			-		
BEARING			NO		
TYPE			-		
SPACE HEATER			NO		
RATING			-		
APPLICATION STANDARDS			IEC60034-1, ISO 3746		
<NOTE> 1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARD. 2. EXCEPT FOR STATEMENTS SPECIFIED ON THIS SHEET, ANYTHING ELSE SHALL BE IN ACCORDANCE WITH MAKER STANDARD 3. THE TEMPERATURE MEASURED AT BEARING HOUSING DOES NOT EXCEED 105°C.			<REMARKS> 1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE. 2. PREMIUM EFFICIENCY TYPE MOTOR		
REV. NO		DATE		PREPARED	
1		2025-09-23		S.U.LEE	
CHECKED		APPROVED			
J.H.CHA		Y.J.PARK			

Data are subject to change without notice.(설계 개선 및 제작 환경에 따라 사전 공지 없이 특성 사양치 변경될 수 있음)

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